

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 140 AND COCKEYS MILL ROAD IN BALTIMORE COUNTY, MARYLAND. MD 140 IS ASSUMED TO RUN IN NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

1. NORMAL OPERATION:

THE INTERSECTION WILL OPERATE IN A NEMA FOUR PHASE FULL-TRAFFIC-ACTUATED MODE WITH THE MD 140 APPROACHES OPERATING CONCURRENTLY AND THE COCKEYS MILL ROAD APPROACH OPERATING ALONE.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING EXISTS FOR NORTHBOUND MD 140.

AN ALTERNATE PEDESTRIAN PHASE EXISTS ACROSS THE NORTH LEG OF MD 140 AND PEDESTRIAN INDICATIONS WILL BE PROVIDED ACROSS COCKEYS MILL ROAD.

2. SPECIAL OPERATION:

THE INTERSECTION WILL OPERATE AS INDICATED ABOVE, UNLESS A PUSHBUTTON IS ACTIVATED BY THE POINT CONTROL PERSON WHICH WILL STOP THE MD 140 AND COCKEYS MILL ROAD APPROACHES.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE ACCESS PANEL SHALL BE MODIFIED TO ACTIVATE EXCLUSIVE PEDESTRIAN PHASE.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAYBE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.02-01 (SHOULDER WORK)

STANDARD NO. MD-104.02-13 (INTERSECTION FLAGGING OPERATION)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

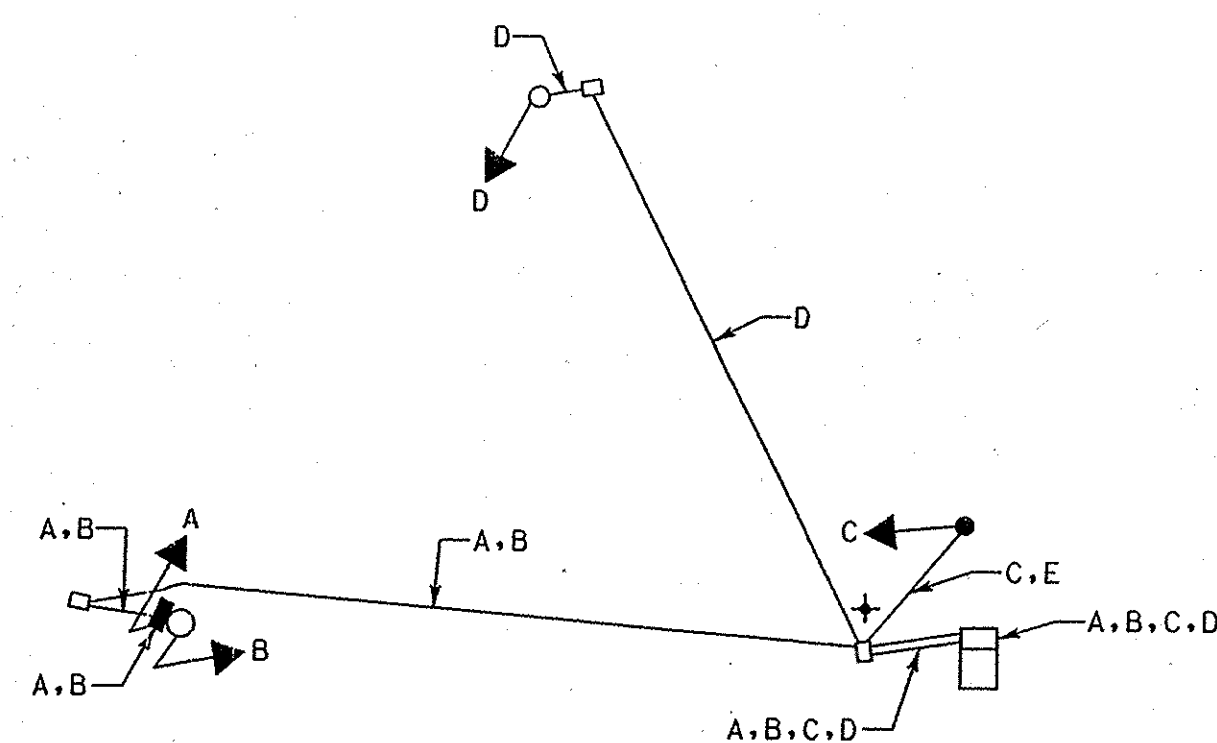
MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2785

MR. MIKE PASQUARIELLO
ASST. DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

WIRING DIAGRAM



WIRING KEY

A
B
C
D } 5-CONDUCTOR ELECTRICAL
CABLE (NO. 14 A.W.G.)

E } STRANDED BARE COPPER
GROUND WIRE (NO. 6 A.W.G.)

+ - 3/4 IN. X 10 FT. GROUND ROD

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9571	16 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 2 EACH R10-11(MOD.) SIGN (30 IN. x 36 IN.) - MAST ARM MOUNT

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	1 C.Y.	TEST PIT EXCAVATION
8015	1 EACH	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8024	4 EACH	LED 16 INCH COUNTDOWN PEDESTRIAN
8028	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
8040	1 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
8043	30 L.F.	NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
8049	20 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8064	16 S.F.	INSTALL OVERHEAD SIGN
8070	1 EACH	GROUND ROD - 3/4 INCH DIAMETER x 10 FOOT LENGTH
8078	465 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)

EQUIPMENT LIST "C"

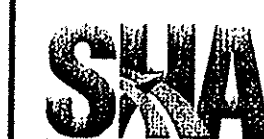
C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

PHASE CHART

	1	2	3	4	5	6	7	8	9	10
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)
PHASE 1 + 6	+	G	R	R	R	R	DW	DW	DW	DW
1 + 6 CHANGE	+	Y	R	R	R	R	DW	DW	DW	DW
PHASE 2 + 6	G	G	G	G	R	R	WK	WK	DW	DW
PED CLEARANCE	Y	Y	Y	Y	R	R	FLDW	FLDW	DW	DW
2 + 6 CHANGE	Y	Y	Y	Y	R	R	DW	DW	DW	DW
PHASE 4 + 8	R	R	R	R	G	G	DW	DW	DW	DW
4 + 8 CHANGE	R	R	R	R	Y	Y	DW	DW	DW	DW
PHASE 4 + 8 ALT	R	R	R	R	G	G	DW	DW	WK	WK
PED CLEARANCE	R	R	R	R	G	G	DW	DW	FLDW	FLDW
4 + 8 ALT CHANGE	R	R	R	R	Y	Y	DW	DW	DW	DW
SPECIAL OPERATION	R	R	R	R	R	R	WK	WK	WK	WK
	R	R	R	R	R	R	FLDW	FLDW	FLDW	FLDW
	R	R	R	R	R	R	DW	DW	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLR	FLR	DARK	DARK	DARK	DARK

TOD No: AT782-41
SHA No.: BA563A55/B55



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 140 AND Cockeys Mill Road

GENERAL INFORMATION SHEET

SCALE NONE DATE 07/31/2006 CONTRACT NO. AT7825185

DESIGNED BY S. BLOSS COUNTY BALTIMORE

DRAWN BY S. BLOSS LOGMILE

CHECKED BY N. LEARY T.I.M.S. NO. H526

F.A.P. NO. TOD NO.

DRAWING NO. - OF SHEET NO. 2 OF 2



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PLOTTED: 8/1/2006
FILE: N:\31556-02\9\CADD\PSG-H002.H526.DGN